

[illegible]

Blakely, Randy D.

5 AND DIAGNOSTIC AND THERAPEUTIC METHODS RELATING THERETO

<141>

10 <151> 2000-01-11

<151> 1999-12-29

<211> 1854

<213> Homo sapiens

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<220>

<221> CDS

<222> (1)..(1851)

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5 <301> Porzgen, P.

Bonisch, H.

Bruss, M.

<302> Molecular Cloning and Organization of the Coding Region
of the Human Norepinephrine Tranporter Gene

10 <303> Biochem. Biophys. Res. Commun.

<304> 215

<305> (3)

<306> 1145-1150

<307> 1995

15 <308> x91117

<309> 1996-02-20

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	Ala Asp Thr Gly Pro Glu Gln Pro Leu Arg Ala Arg Lys Thr Ala Glu
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25	ctg ctg gtg gtg aag gag cgc aac ggc gtc cag tgc ctg ctg gcg ccc 144
	Leu Leu Val Val Lys Glu Arg Asn Gly Val Gln Cys Leu Leu Ala Pro
	35 40 45
	cgc gac ggc gac gcg cag ccc cgg gag acc tgg ggc aag aag atc gac 192
	Arg Asp Gly Asp Ala Gln Pro Arg Glu Thr Trp Gly Lys Lys Ile Asp
	50 55 60

005221 20905490

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	Lys	Ile	Cys	Pro	Phe	Phe	Lys	Gly	Val	Gly	Tyr	Ala	Val	Ile	Leu	Ile	
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	gcc	ctg	tac	gtt	ggc	ttc	tac	tac	aac	gtc	atc	atc	gcc	tgg	tca	ctc	480
	Ala	Leu	Tyr	Val	Gly	Phe	Tyr	Tyr	Asn	Val	Ile	Ile	Ala	Trp	Ser	Leu	
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	Gly	His	Thr	Trp	Asn	Ser	Pro	Asn	Cys	Thr	Asp	Pro	Lys	Leu	Leu	Asn	
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25	ggc	tcc	gtg	ctt	ggc	aac	cac	acc	aag	tac	tcc	aag	tac	aag	ttc	acg	624
	Gly	Ser	Val	Leu	Gly	Asn	His	Thr	Lys	Tyr	Ser	Lys	Tyr	Lys	Phe	Thr	
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	Pro	Ala	Ala	Glu	Phe	Tyr	Glu	Arg	Gly	Val	Leu	His	Leu	His	Glu	Ser	
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	Ser	Gly	Ile	His	Asp	Ile	Gly	Leu	Pro	Gln	Trp	Gln	Leu	Leu	Leu	Cys	
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	Asn	Gly	Ile	Asn	Ala	Tyr	Leu	His	Ile	Asp	Phe	Tyr	Arg	Leu	Lys	Glu	
		290					295					300					
	gcc	acg	gta	tgg	att	gat	gcc	gca	act	cag	ata	ttt	ttt	tcc	ttg	ggg	960
	Ala	Thr	Val	Trp	Ile	Asp	Ala	Ala	Thr	Gln	Ile	Phe	Phe	Ser	Leu	Gly	
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	Ala	Gly	Phe	Gly	Val	Leu	Ile	Ala	Phe	Ala	Ser	Tyr	Asn	Lys	Phe	Asp	
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	Ser	Thr	Phe	Trp	Ala	Val	Val	Phe	Phe	Val	Met	Leu	Leu	Ala	Leu	Gly	
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	Asp	Asp	Phe	Gln	Val	Leu	Lys	Arg	His	Arg	Lys	Leu	Phe	Thr	Phe	Gly	
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	Ile	Ala	Leu	Ser	Ser	Met	Val	Leu	Val	Pro	Ile	Tyr	Val	Ile	Tyr	Lys	
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<211> 617

<212> PRT

5 <213> Homo sapiens

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20 25 30

Leu Leu Val Val Lys Glu Arg Asn Gly Val Gln Cys Leu Leu Ala Pro
35 40 45

Arg Asp Gly Asp Ala Gln Pro Arg Glu Thr Trp Gly Lys Lys Ile Asp
50 55 60

15

Phe Leu Leu Ser Val Val Gly Phe Ala Val Asp Leu Ala Asn Val Trp
65 70 75 80

Arg Phe Pro Tyr Leu Cys Tyr Lys Asn Gly Gly Gly Ala Phe Leu Ile
85 90 95

20

Pro Tyr Thr Leu Phe Leu Ile Ile Ala Gly Met Pro Leu Phe Tyr Met
100 105 110

Glu Leu Ala Leu Gly Gln Tyr Asn Arg Glu Gly Ala Ala Thr Val Trp
115 120 125

Lys Ile Cys Pro Phe Phe Lys Gly Val Gly Tyr Ala Val Ile Leu Ile
130 135 140

25

Ala Leu Tyr Val Gly Phe Tyr Tyr Asn Val Ile Ile Ala Trp Ser Leu
145 150 155 160

Tyr Tyr Leu Phe Ser Ser Phe Thr Leu Asn Leu Pro Trp Thr Asp Cys
165 170 175

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Gly His Thr Trp Asn Ser Pro Asn Cys Thr Asp Pro Lys Leu Leu Asn
180 185 190

Gly Ser Val Leu Gly Asn His Thr Lys Tyr Ser Lys Tyr Lys Phe Thr
195 200 205

Pro Ala Ala Glu Phe Tyr Glu Arg Gly Val Leu His Leu His Glu Ser
210 215 220

35

Ser Gly Ile His Asp Ile Gly Leu Pro Gln Trp Gln Leu Leu Leu Cys
225 230 235 240

Leu Met Val Val Val Ile Val Leu Tyr Phe Ser Leu Trp Lys Gly Val
245 250 255

40

Lys Thr Ser Gly Lys Val Val Trp Ile Thr Ala Thr Leu Pro Tyr Phe
260 265 270

Val Leu Phe Val Leu Leu Val His Gly Val Thr Leu Pro Gly Ala Ser
275 280 285

Asn Gly Ile Asn Ala Tyr Leu His Ile Asp Phe Tyr Arg Leu Lys Glu
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Ala Thr Val Trp Ile Asp Ala Ala Thr Gln Ile Phe Phe Ser Leu Gly

[illegible]

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10	ctg Leu	ctg Leu	gtg Val 35	gtg Val	aag Lys	gag Glu	cgc Arg	aac Asn 40	ggc Gly	gtc Val	cag Gln	tgc Cys	ctg Leu 45	ctg Leu	gcg Ala	ccc Pro	144
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	gag Glu	ctg Leu	gct Ala 115	ctg Leu	gga Gly	cag Gln	tac Tyr	aac Asn 120	cgg Arg	gag Glu	ggg Gly	gct Ala	gcc Ala 125	acc Thr	gtt Val	tgg Trp	384
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		290					295					300					
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	Ala	Thr	Val	Trp	Ile	Asp	Ala	Ala	Thr	Gln	Ile	Phe	Phe	Ser	Leu	Gly	
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	Ala	His	Glu	His	Lys	Val	Asn	Ile	Glu	Asp	Val	Ala	Thr	Glu	Gly	Ala	
		370					375					380					
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	Ser	Thr	Phe	Trp	Ala	Val	Val	Phe	Phe	Val	Met	Leu	Leu	Ala	Leu	Gly	
					405					410					415		
50	ctt	gac	agc	tca	atg	gga	ggc	atg	gag	gct	gtc	atc	acg	ggc	ctg	gca	1296
	Leu	Asp	Ser	Ser	Met	Gly	Gly	Met	Glu	Ala	Val	Ile	Thr	Gly	Leu	Ala	
				420				425						430			
55	gat	gac	ttc	cag	gtc	ctg	aag	cga	cac	cgg	aaa	ctc	ttc	aca	ttt	ggc	1344
	Asp	Asp	Phe	Gln	Val	Leu	Lys	Arg	His	Arg	Lys	Leu	Phe	Thr	Phe	Gly	
			435					440					445				
60	gtc	acc	ttc	agc	act	ttc	ctt	ctc	ccc	ctg	ttc	tgc	ata	acc	aag	ggg	1392
	Val	Thr	Phe	Ser	Thr	Phe	Leu	Leu	Pro	Leu	Phe	Cys	Ile	Thr	Lys	Gly	
		450					455					460					
65	gga	att	tac	gtc	ttg	acc	ctc	ctg	gac	acc	ttt	gct	gcg	ggc	acc	tcc	1440
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75	gga	gtg	gac	agg	ttc	agc	aac	gac	atc	cag	cag	atg	atg	ggg	ttc	agg	1536
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			500					505						510			
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	Pro	Gly	Leu	Tyr	Trp	Arg	Leu	Cys	Trp	Lys	Phe	Val	Ser	Pro	Ala	Phe	
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[illegible]

	Pro	Ala	Ala	Glu	Phe	Tyr	Glu	Arg	Gly	Val	Leu	His	Leu	His	Glu	Ser
	210						215					220				
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	225					230					235					240
5	Leu	Met	Val	Val	Val	Ile	Val	Leu	Tyr	Phe	Ser	Leu	Trp	Lys	Gly	Val
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